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"Constrcution of Kalyan Mandap at Kechubahal"

Bill of Quantities (BOQ)

SI No	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Earthwork excavation in gravelly soil :				
	Earth work in excavation up to 1.5m depth in gravelly soil including dressing & levelling the bed and depositing the excavated materials within 50m initial lead & 1.5m initial lift with all cost, conveyance, tools and plants, labour, taxes & duties complete as per the direction of Engineer-in-Charge.	Cum	183.21		
2	Back filling / Plinth filling with excavated earth within 50m lead :				
	Earthwork in back filling of foundation / pits / trenches / etc including dressing and levelling with excavated earth within initial lead of 50 metres with all costs, conveyance, T&P, labour, taxes and duties complete as per the direction of Engineer-in-Charge.	Cum	146.14		
3	Sand Filling :				
	Supplying and filling of sand in foundation and plinth, watering and ramming including all cost, conveyance, T&P, taxes and duties of all materials and labour charges etc complete as per the direction of Engineer-in-charge	Cum	19.65		
4	PCC (1:4:8) 40mm graded HG metal :				
	Cement Concrete (1:4:8) by using 40mm graded hard granite crusher broken chips including all cost, laying of concrete, watering, curing, conveyance, T&P, royalties, taxes of all materials, scaffolding & labour charges etc complete as per the direction of Engineer-in-Charge.	Cum	27.25		
5	PCC (1:2:4) 12mm to 20mm graded HG chips :				
	Cement Concrete (1:2:4) in ground floor using 12 to 20mm graded hard granite crusher broken chips including all cost, hoisting and laying of concrete, watering, curing, conveyance, T&P, royalties, taxes of all materials, required for the work. Scaffolding and labour charges etc complete as per direction of Engineer-in-Charge, reinforcement rod and centring and shuttering will be paid separately.	Cum	13.41		
6	RCC (1:1.5:3) 12 to 20mm graded HG Chips :				
	Reinforced cement concrete (1:1.5:3) for all type of work in ground floor using 12 to 20mm graded hard granite crusher broken chips including all cost, hoisting and laying of concrete, watering, curing, conveyance, T&P, royalties, taxes of all materials required for the work, scaffolding and labour charges etc complete as per the direction of Engineer-in-charge. Reinforcement rod and centring and shuttering will be paid separately.	Cum	79.34		
7	M.S Reinforcement work :				
	Straightening, cutting, bending, binding tying and placing of M.S Reinforcement bars (plain or Tor) in position including all cost of M.S Reinforcement bars & binding wire (20 to 22 gauge), conveyance, T&P, taxes, scaffoldings, labour charges etc complete as per the direction of Engineer-in-Charge.	Qntl	95.21		
8	Centring and shuttering work (Formwork) :				
	Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTRING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting including cost of all materials, labour, conveyance, loading and unloading, taxes, royalties, scaffolding, sundries, T&P, etc complete as per the direction of the Engineer-in-Charge.				
(a)	For RCC Floor and roof slabs, landings, balconies, projecting sun shades upto 4.3 meter height.	Sqm	311.46		
(b)	for RCC Foundation and footing bases of column, mass concrete, precast slabs etc.	Sqm	69.34		
(c)	for RCC Beams, column, girder and bressmer etc	Sqm	321.33		
(d)	for RCC Lintels	Sqm	29.56		

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9	Ash brick masonry (1:6) foundation :				
	Ash brick masonry in cement mortar (1:6) in foundation and plinth for all type of works of all thickness including all cost, splays, cutting, watering, curing, conveyance, T&P, scaffoldings, royalties, taxes and duties of all materials and labour charges etc complete as per direction of Engineer-in-Charge (Ash Brick will be supplied from Ash brick plant of OPGC free of cost. Contractor has to arrange his own conveyance for transportation to site)	Cum	34.12		
10	Ash Brick Masonry (1:6) in Superstructure :				
	Ash brick masonry in cement mortar (1:6) in Superstructure for all type of works of all thickness including all cost, splays, cutting, watering, curing, conveyance, T&P, scaffoldings, royalties, taxes and duties of all materials, and labour charges, etc complete as per the direction of Engineer-in-Charge.(Ash Brick will be supplied from Ash brick plant of OPGC free of cost. Contractor has to arrange his own conveyance for transportation to site)	Cum	90.41		
11	12 mm Cement Plaster (1:6) :				
	Providing 12 mm thick cement plaster in cement mortar (1:6) over masonry / CC work , finished smooth, after raking out joints including all cost, watering, curing, conveyance, T&P, royalties, taxes, of all materials, scaffolding and labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	887.62		
12	6 mm thick cement plaster (1:4) :				
	6mm thick cement plaster in cement mortar (1:4) for all type of ceiling plaster work , RCC surface with deep chipping and slurry treatment , includng all cost, watering, curing, conveyance, T&P, royalties, taxes of all materials, scaffolding, and labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	230.19		
13	Neat Cement Punning :				
	Extra for neat cement punning over cement plaster work including all cost, watering, curing, conveyance, T&P, royalties, taxes of all materials, scaffolding, taxes of all materials etc complete as per the direction of Engineer-in-Charge.	Sqm	81.50		
14	Vitrified Floor tiles 600mm size :				
	Providing and fixing Vitrified Floor tiles of 600mm X 600mm size of approved make (Somany / Nitco / Kajaria / Johnson / Regency) and approved shade and texture over a bed of average 20mm thick Cement Mortar (1:4) and joints with white cement / tile joint adhesives with required colour pigment including all cost, watering, curing, conveyance, T&P, taxes, royalties of all materials and labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	160.78		
15	Ceramic Floor tiles 300mm to 500mm size :				
	Providing and fixing 8mm thick 300mm to 500mm size ceramic floor tiles of approved make (Somany / Nitco / Kajaria / Johnson / Regency) and approved shade and texture over a bed of average 20mm thick Cement Mortar (1:4) and joints with white cement / tile joint adhesives with required colour pigment including all cost , watering, curing, conveyance, T&P, taxes, royalties of all materials and labour charges etc complete as per the direction of the Engineer-in-Charge.	Sqm	9.00		
16	Ceramic Glazed tile in Skirting / Dado 200mm to 450mm size :				
	Providing and fixing 6mm thick ceramic glazed tiles 200mm to 450mm size of approved make (Somany / Nitco / Kajaria / Johnson / Regency) and approved shade and texture in skirting / dados fixed on 12mm thick cement plaster (1:3) and jointed with white cement / tile joint adhesives with required colour pigment including all cost, watering, curing, conveyance, T&P, taxes, royalties, of all materials and labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	38.44		
17	Sal Wood Choukath :				

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	Providing, supplying, fitting and fixing of dressed seasoned Sal Wood work frame of size (125mm X 75mm) and fixed (wrought and putup) in burgahs, rafters and posts including all cost, conveyance, fitting materials, T&P, taxes, duties etc complete in all respect as per the direction of Engineer-in-Charge.	Cum	0.26		
18	Supplying & Fixing Flush Door :				
	Supplying fitting and fixing in position 32mm thick single leaf commercial flush door conforming to IS:2202 (part 01/1991) with select seasoned timber and block board core framed with seasoned hard wood battens and bonded at high pressure with phonol formaldehyde resin under the cross banding process, termite resistant and moisture proof including cost, conveyance, taxes of all materials including aluminium fittings, door stopper and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	8.82		
19	Three Track aluminium sliding window :				
	Supplying fitting and fixing up window (sliding type) made up aluminium section 151-154, 151-155 as window frame section No 151 - 155, 151-153 and 151-167 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including all fitting including cost of materials all taxes , labour T&P etc. complete as per direction of Engineer-in-charge.	Sqm	25.56		
20	Painting Distemper 02 (two) coats over a coat of Primer :				
	Providing and painting 02 (two) coats with approved brand and shade distemper paint (Asian / Dulux/ Shalimar/ Berger) on old / new surface over a coat of primer including application of putty thorough cleaning, rubbing out of moss and loose scales etc and preparation of the surface area of application including all cost, conveyance, T&P, taxes of all materials, scaffolding, & labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	621.79		
21	Painting Weatherproof exterior emulsion paint 02 coats over a coat of primer :				
	Providing and painting with weatherproof anti fungal exterior emulsion paint 02 (two) coats over a coat of primer on old / new surface using approved brand and shade weatherproof paint / primer (Asian / Dulux / Shalimar / Berger) including thorough cleaning, rubbing out moss and loose scales etc and preparation of the surface area of application, including, cost, conveyance, T&P, taxes of all materials, scaffolding and labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	449.75		
22	Wall Painting / Writing :				
	Writing on Sign Boards / walls etc of all letter & size with synthetic enamel paint base and lettering at all levels and elevations including all cost of materials, conveyance, taxes, scaffolding, T&P, sundries etc complete as per the direction of Engineer-in-Charge.	Sqm	5.16		
23	Providing and fixing of Chequered Tiles :				
	Providing and fixing of Chequered Terrazo Tiles of 25mm thick dark shade of reputed make embedded in 25mm thick (1:1) cement mortar including raking out of joints including all cost, curing, splays, taxes, duties, T&P all complete as per the direction of Engineer-in-Charge.	Sqm	31.01		
24	Supplying and fixing GI pipes with fittings				
	Supplying & fixing to wall or ceiling and floor GI pipes (Medium Quality) of approved make (Tata / Jindal) with all fittings, clamps, including making good the wall ceiling and floor, testing all complete as per specification including all cost of materials, conveyance, taxes, labour charges, T&P, scaffoldings, sundries, etc complete in all respect as per the direction of Engineer-in-Charge.				
(a)	20 mm dia Nominal Bore GI Pipe (Medium Quality)	Rmt	50.00		
(b)	25mm dia Nominal Bore GI Pipe (Medium Quality)	Rmt	50.00		

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25	Cutting Holes through Walls :				
	Supplying all materials, labour, T&P and cutting holes through existing brick or laterite masonry wall for taking PVC Pipes and fittings including making good the damages etc.all complete as per P.H. Specification and direction of the Engineer in charge.	Nos	4.00		
26	Supplying and fixing of Gate valve 25mm dia of (ZOLOTO make) :				
	Supplying and fixing of Gate valve 25mm dia ZOLOTO make , testing all complete as per specification including all cost of materials, conveyance, taxes, labour charges, T&P, scaffolding, sundries, etc complete in all respect as per the direction of Engineer-in-Charge.	Each	2.00		
27	Supplying & Fixing of IWC Pan :				
	Providing and fixing white vitreous china floor mounted water closet (Indian type W.C. pan) of (Parryware / Hindware or equivalent) with seat cover and lid with fittings & C.I / M.S chair brackets ,40mm flush bend , overflow arrangement with specials of standard make & mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required as per direction of Engineer-In-Charge.	Each	4.00		
28	Supplying & Fixing of Flushing Cistern :				
	Providing and fixing of controlled flush low level cistern made of vitreous china conforming to IS 774-2004 (Parryware / Hindware or equivalent) , with all fittings and fixtures, taxes, duties, sundries, overheads complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required etc complete as per the direction of Engineer-in-Charge.	Each	4.00		
29	Providing and fixing white vitreous china counter wash basin :				
	Providing and fixing white vitreous china counter wash basin of size 550 x 450 mm flat back of (Parryware / Hindware or equivalent make) with CI/MS brackets , 15mm CP brass pillar tap (1 No.) CP brass china with rubber plug and 32mm CP brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require & complete as per direction of Engineer-In-Charge.	Each	3.00		
30	Providing & Fixing of Mirror :				
	Providing and fixing bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick bwr ply fixed at the back with 600mm X 450mm teak wood beading all around ,CP brass screws and washers in the toilet .The expose wooden surface shall be polished with a cut of mellamine and complete as per direction of Engineer-In-Charge.	Sqm	2.58		
31	Supplying and Fixing of J Hook :				
	Providing and fixing J Hook 32 mm dia at every toilet required colour and shade with necessary screws etc. complete as per direction of Engineer-In-Charge.	Each	4.00		
32	Supplying & Fixing of UPVC pipes :				
	Supplying all materials, labour & T&P for laying in trenches unplasticized PVC pipes and specials of the following outside dia., for all classes including jointing with approved solvent cement by non-heat application method including testing as per specification and direction of Engineer-in-charge etc., all complete. [Pipe conforming to Class 3, 0.06 MPa] of (Supreme / Finolex or Equivalent)				
(a)	75mm dia	Rmt	30.00		
(b)	110mm dia	Rmt	60.00		
33	Supplying & Fixing of UPVC SWR pipe fittings :				
	Supplying & fixing for jointing of the UPVC SWR pipe fittings of standard including all materials, labour, taxes, duties, levies, overheads, T&P of make duly approved by the Engineer-in-charge with joining material etc. suitably required for fixing on 100mm dia soil waste pipe complete with requisite testing as per direction of Engineer-in-charge.(Supreme / Finolex or Equivalent)				

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(a)	110mm dia P trap	Each	4.00		
(b)	110mm dia plain bend	Each	4.00		
(c)	110mm dia single door bend	Each	4.00		
(d)	CP Gratings	Each	4.00		
34	Supplying & Fixing of Pillar Cock :				
	Providing and fixing 15mm nominal bore brass Pillar cock long neck with Aerator for wash basin with popup waste system of approved quality including all cost, conveyance, taxes, duties, levies, overheads, T&P, all complete as per direction of Engineer-In-Charge. (Jaquar make or equivalent)	Each	7.00		
35	Providing & Fixing Angular Stop Cock :				
	Providing and fixing 15mm nominal angular stop cock of approved quality including all cost, conveyance, taxes, duties, levies, overheads, T&P, all complete as per direction of Engineer-In-Charge. (Jaquar make or equivalent)	Nos	3.00		
a)	20 mm dia nominal bore				
36	Providing and fixing of Bottle Trap :				
	Providing and fixing of Bottle Trap (with internal partition) 32mm size with 250mm and 190mm long wall connection pipes to required places as per the requirement, complete as per the direction of the Engineer - in -Charge. Jaquare Make ALLIED 769	Nos	4.00		
37	Fabrication / erection of steel work :				
	Supplying, fabrication and erection of all type of mild steel iron work (Sectional weight upto 19.8 kg/Sq.m) for all type of structures, sheds, grills, doors, fencing posts etc with approved quality (SAIL or TISCO make) steel structural, angles, channels, plates, of all sections at all levels and elevations, painting with 02 coats of High gloss enamel paint over a coat of red oxide primer including all cost of materials, conveyance, taxes, labour charges, T&P, scaffoldings, sundries etc complete in all respect as per the direction of the Engineer-in-Charge.		582.93		
38	Supplying & fixing of 1000 litres capacity (Sintex Reno or equivalent make) :				
	Supplying & fixing of 1000 litres capacity (Sintex Reno or equivalent make) rotational moulded polythene cylindrical vertical water storage tank confirming to IS 12701 : 1996 including cutting holes through the tank and fixing pipes and fittings and providing extra socket and jam nuts , fixing ball valve etc including hoisting upto a height of 5 metres above ground level and placing the tank to hte required position etc all complete as per specification including all cost of materials, conveyance, taxes, labour charges, T&P , scaffolding , sundries, etc complete in all respect as per the direction of Engineer-in-Charge	Nos	2.00		